

Message

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**From:** Thayer, Kris [thayer.kris@epa.gov]  
**Sent:** 10/6/2021 3:52:31 PM  
**To:** Schlosser, Paul [Schlosser.Paul@epa.gov]; Shams, Dahnish [Shams.Dahnish@epa.gov]; Kapraun, Dustin [Kapraun.Dustin@epa.gov]; White, Paul [White.Paul@epa.gov]  
**CC:** Morozov, Viktor [Morozov.Viktor@epa.gov]  
**Subject:** RE: In-Vitro Update for Peer Review of PBPK Modeling for Chloroprene

Cool! Can you add to the shared version? I haven't had a chance to read below, but if you are ready for editing the plop it in.

Dahnish - We will include the peer review report as an appendix and cross reference in the text below?

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**From:** Schlosser, Paul <Schlosser.Paul@epa.gov>  
**Sent:** Wednesday, October 6, 2021 11:45 AM  
**To:** Shams, Dahnish <Shams.Dahnish@epa.gov>; Thayer, Kris <thayer.kris@epa.gov>; Kapraun, Dustin <Kapraun.Dustin@epa.gov>; White, Paul <White.Paul@epa.gov>  
**Cc:** Morozov, Viktor <Morozov.Viktor@epa.gov>  
**Subject:** RE: In-Vitro Update for Peer Review of PBPK Modeling for Chloroprene

## Ex. 5 Deliberative Process (DP)

-Paul

## Ex. 5 Deliberative Process (DP)

# Ex. 5 Deliberative Process (DP)

-----Original Appointment-----

**From:** Shams, Dahnish <[Shams.Dahnish@epa.gov](mailto:Shams.Dahnish@epa.gov)>

**Sent:** Wednesday, September 22, 2021 9:33 AM

**To:** Thayer, Kris; Schlosser, Paul; Kapraun, Dustin; White, Paul

**Cc:** Morozov, Viktor

**Subject:** In-Vitro Update for Peer Review of PBPK Modeling for Chloroprene

**When:** Wednesday, September 29, 2021 3:30 PM-4:30 PM (UTC-05:00) Eastern Time (US & Canada).

**Where:** Microsoft Teams Meeting

Holding this time to talk about the chloroprene draft report.

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United States, Washington DC

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**From:** Thayer, Kris <[thayer.kris@epa.gov](mailto:thayer.kris@epa.gov)>

**Sent:** Wednesday, September 22, 2021 5:26 AM

**To:** Shams, Dahnish <[Shams.Dahnish@epa.gov](mailto:Shams.Dahnish@epa.gov)>; Schlosser, Paul <[Schlosser.Paul@epa.gov](mailto:Schlosser.Paul@epa.gov)>; Kapraun, Dustin <[Kapraun.Dustin@epa.gov](mailto:Kapraun.Dustin@epa.gov)>; White, Paul <[White.Paul@epa.gov](mailto:White.Paul@epa.gov)>

**Cc:** Morozov, Viktor <[Morozov.Viktor@epa.gov](mailto:Morozov.Viktor@epa.gov)>

**Subject:** RE: In-Vitro Update for Peer Review of PBPK Modeling for Chloroprene

Dahnish – can you please set up a meeting for next week where we can share our impressions of the report? And give Paul access to the shared version

Paul – Dustin – please work with Dahnish on scheduling that will give you enough time to read.

---

**From:** Shams, Dahnish <[Shams.Dahnish@epa.gov](mailto:Shams.Dahnish@epa.gov)>  
**Sent:** Tuesday, September 21, 2021 9:14 PM  
**To:** Thayer, Kris <[thayer.kris@epa.gov](mailto:thayer.kris@epa.gov)>; Schlosser, Paul <[Schlosser.Paul@epa.gov](mailto:Schlosser.Paul@epa.gov)>; Kapraun, Dustin <[Kapraun.Dustin@epa.gov](mailto:Kapraun.Dustin@epa.gov)>  
**Cc:** Morozov, Viktor <[Morozov.Viktor@epa.gov](mailto:Morozov.Viktor@epa.gov)>  
**Subject:** FW: In-Vitro Update for Peer Review of PBPK Modeling for Chloroprene

FYI – Draft report attached. Feel free to make comments in the attached version. We can send it back to Versar if any of the comments need additional clarification.

- Dahnish

Chemical & Pollutant Assessment Division (CPAD)  
Center for Public Health and Environmental Assessment (CPHEA)  
Office of Research and Development, U.S. EPA  
O: (202) 564-2758

---

**From:** Husain, Hassan [USA - EMP] <[hhusain@versar.com](mailto:hhusain@versar.com)>  
**Sent:** Tuesday, September 21, 2021 9:03 PM  
**To:** Shams, Dahnish <[Shams.Dahnish@epa.gov](mailto:Shams.Dahnish@epa.gov)>; Kapraun, Dustin <[Kapraun.Dustin@epa.gov](mailto:Kapraun.Dustin@epa.gov)>  
**Cc:** Cowen, Tracey [USA - EMP] <[TCowen@versar.com](mailto:TCowen@versar.com)>; Williams, Laura [USA - EMP] <[lwilliams@versar.com](mailto:lwilliams@versar.com)>; Bogen, Kenneth [USA - EMP] <[KBogen@versar.com](mailto:KBogen@versar.com)>  
**Subject:** RE: In-Vitro Update for Peer Review of PBPK Modeling for Chloroprene

Dahnish,

Draft report attached here. Let me know if you have any questions or need anything clarified.

Ex. 5 Deliberative Process (DP)

**Ex. 5 Deliberative Process (DP)**

**Hassan Husain**  
Senior Program Manager  
Environmental Services Group



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Direct Office: 240-252-2304  
Mobile: 240-499-4302  
[www.versar.com](http://www.versar.com)

---

**From:** Shams, Dahnish <[Shams.Dahnish@epa.gov](mailto:Shams.Dahnish@epa.gov)>  
**Sent:** Tuesday, September 21, 2021 10:16 AM  
**To:** Husain, Hassan [USA - EMP] <[hhusain@versar.com](mailto:hhusain@versar.com)>  
**Subject:** RE: In-Vitro Update for Peer Review of PBPK Modeling for Chloroprene

OK great! Thanks Hassan. We do need his comments by late October to make sure we have the final report in hand before responding to the RFC.

- Dahnish

Chemical & Pollutant Assessment Division (CPAD)  
Center for Public Health and Environmental Assessment (CPHEA)  
Office of Research and Development, U.S. EPA  
O: (202) 564-2758

---

**From:** Husain, Hassan [USA - EMP] <[hhusain@versar.com](mailto:hhusain@versar.com)>  
**Sent:** Tuesday, September 21, 2021 10:10 AM  
**To:** Shams, Dahnish <[Shams.Dahnish@epa.gov](mailto:Shams.Dahnish@epa.gov)>  
**Subject:** RE: In-Vitro Update for Peer Review of PBPK Modeling for Chloroprene

Dahnish,  
Will do, I can get that report into you today.

**Ex. 5 Deliberative Process (DP)**

**Hassan Husain**  
Senior Program Manager  
Environmental Services Group



[hhusain@versar.com](mailto:hhusain@versar.com)  
Direct Office: 240-252-2304  
Mobile: 240-499-4302  
[www.versar.com](http://www.versar.com)

---

**From:** Shams, Dahnish <[Shams.Dahnish@epa.gov](mailto:Shams.Dahnish@epa.gov)>  
**Sent:** Tuesday, September 21, 2021 9:44 AM  
**To:** Husain, Hassan [USA - EMP] <[hhusain@versar.com](mailto:hhusain@versar.com)>  
**Subject:** RE: In-Vitro Update for Peer Review of PBPK Modeling for Chloroprene

**Ex. 5 Deliberative Process (DP)**

- Dahnish

Chemical & Pollutant Assessment Division (CPAD)  
Center for Public Health and Environmental Assessment (CPHEA)  
Office of Research and Development, U.S. EPA  
O: (202) 564-2758

---

**From:** Husain, Hassan [USA - EMP] <[hhusain@versar.com](mailto:hhusain@versar.com)>  
**Sent:** Monday, September 20, 2021 4:36 PM  
**To:** Shams, Dahnish <[Shams.Dahnish@epa.gov](mailto:Shams.Dahnish@epa.gov)>  
**Subject:** RE: In-Vitro Update for Peer Review of PBPK Modeling for Chloroprene

Yes we have responses from everyone else

**Ex. 5 Deliberative Process (DP)**

**Hassan Husain**  
Senior Program Manager  
Environmental Services Group



[hhusain@versar.com](mailto:hhusain@versar.com)  
Direct Office: 240-252-2304  
Mobile: **Ex. 6 Personal Privacy (PP)**

---

**From:** Shams, Dahnish <[Shams.Dahnish@epa.gov](mailto:Shams.Dahnish@epa.gov)>  
**Sent:** Monday, September 20, 2021 4:31 PM  
**To:** Husain, Hassan [USA - EMP] <[hhusain@versar.com](mailto:hhusain@versar.com)>  
**Subject:** RE: In-Vitro Update for Peer Review of PBPK Modeling for Chloroprene

Hi Hassan – See my responses in red below.

- Dahnish

Chemical & Pollutant Assessment Division (CPAD)  
Center for Public Health and Environmental Assessment (CPHEA)  
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---

**From:** Husain, Hassan [USA - EMP] <[hhusain@versar.com](mailto:hhusain@versar.com)>  
**Sent:** Monday, September 20, 2021 4:23 PM  
**To:** Shams, Dahnish <[Shams.Dahnish@epa.gov](mailto:Shams.Dahnish@epa.gov)>  
**Subject:** RE: In-Vitro Update for Peer Review of PBPK Modeling for Chloroprene

Dahnish,

## Ex. 5 Deliberative Process (DP)

**Hassan Husain**  
Senior Program Manager  
Environmental Services Group



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Direct Office: 240-252-2304  
Mobile: 240-499-4302  
[www.versar.com](http://www.versar.com)

---

**From:** Shams, Dahnish <[Shams.Dahnish@epa.gov](mailto:Shams.Dahnish@epa.gov)>  
**Sent:** Monday, September 20, 2021 4:17 PM  
**To:** Husain, Hassan [USA - EMP] <[hhusain@versar.com](mailto:hhusain@versar.com)>  
**Subject:** RE: In-Vitro Update for Peer Review of PBPK Modeling for Chloroprene

Hassan – What was the deadline for comments to be received from the reviewers?

- Dahnish

Chemical & Pollutant Assessment Division (CPAD)  
Center for Public Health and Environmental Assessment (CPHEA)  
Office of Research and Development, U.S. EPA  
O: (202) 564-2758

---

**From:** Husain, Hassan [USA - EMP] <[hhusain@versar.com](mailto:hhusain@versar.com)>  
**Sent:** Wednesday, September 15, 2021 1:04 PM  
**To:** Shams, Dahnish <[Shams.Dahnish@epa.gov](mailto:Shams.Dahnish@epa.gov)>; Kapraun, Dustin <[Kapraun.Dustin@epa.gov](mailto:Kapraun.Dustin@epa.gov)>  
**Cc:** Cowen, Tracey [USA - EMP] <[TCowen@versar.com](mailto:TCowen@versar.com)>; Williams, Laura [USA - EMP] <[lwilliams@versar.com](mailto:lwilliams@versar.com)>; Bogen, Kenneth [USA - EMP] <[KBogen@versar.com](mailto:KBogen@versar.com)>  
**Subject:** RE: In-Vitro Update for Peer Review of PBPK Modeling for Chloroprene

Dahnish,  
I can talk after 3:30, I'll send you a Teams invite

**Hassan Husain**  
Senior Program Manager  
Environmental Services Group



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Direct Office: 240-252-2304  
Mobile: 240-499-4302  
[www.versar.com](http://www.versar.com)

---

**From:** Shams, Dahnish <[Shams.Dahnish@epa.gov](mailto:Shams.Dahnish@epa.gov)>  
**Sent:** Wednesday, September 15, 2021 11:47 AM  
**To:** Husain, Hassan [USA - EMP] <[hhusain@versar.com](mailto:hhusain@versar.com)>; Kapraun, Dustin <[Kapraun.Dustin@epa.gov](mailto:Kapraun.Dustin@epa.gov)>  
**Cc:** Cowen, Tracey [USA - EMP] <[TCowen@versar.com](mailto:TCowen@versar.com)>; Williams, Laura [USA - EMP] <[lwilliams@versar.com](mailto:lwilliams@versar.com)>; Bogen, Kenneth [USA - EMP] <[KBogen@versar.com](mailto:KBogen@versar.com)>  
**Subject:** RE: In-Vitro Update for Peer Review of PBPK Modeling for Chloroprene

Hi Hassan – Can you talk at 2:30 PM ET today or after 3:30 PM ET?

- Dahnish

Chemical & Pollutant Assessment Division (CPAD)  
Center for Public Health and Environmental Assessment (CPHEA)  
Office of Research and Development, U.S. EPA  
O: (202) 564-2758

---

**From:** Husain, Hassan [USA - EMP] <[hhusain@versar.com](mailto:hhusain@versar.com)>  
**Sent:** Tuesday, September 14, 2021 5:34 PM  
**To:** Shams, Dahnish <[Shams.Dahnish@epa.gov](mailto:Shams.Dahnish@epa.gov)>; Kapraun, Dustin <[Kapraun.Dustin@epa.gov](mailto:Kapraun.Dustin@epa.gov)>  
**Cc:** Cowen, Tracey [USA - EMP] <[TCowen@versar.com](mailto:TCowen@versar.com)>; Williams, Laura [USA - EMP] <[lwilliams@versar.com](mailto:lwilliams@versar.com)>; Bogen, Kenneth [USA - EMP] <[KBogen@versar.com](mailto:KBogen@versar.com)>  
**Subject:** RE: In-Vitro Update for Peer Review of PBPK Modeling for Chloroprene

# **Ex. 5 Deliberative Process (DP)**

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**Hassan Husain**  
Senior Program Manager  
Environmental Services Group



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Mobile: 240-499-4302  
[www.versar.com](http://www.versar.com)

---

**From:** Shams, Dahnish <[Shams.Dahnish@epa.gov](mailto:Shams.Dahnish@epa.gov)>  
**Sent:** Tuesday, September 14, 2021 10:25 AM  
**To:** Husain, Hassan [USA - EMP] <[hhusain@versar.com](mailto:hhusain@versar.com)>; Kapraun, Dustin <[Kapraun.Dustin@epa.gov](mailto:Kapraun.Dustin@epa.gov)>  
**Cc:** Cowen, Tracey [USA - EMP] <[TCowen@versar.com](mailto:TCowen@versar.com)>; Williams, Laura [USA - EMP] <[lwilliams@versar.com](mailto:lwilliams@versar.com)>; Bogen, Kenneth [USA - EMP] <[KBogen@versar.com](mailto:KBogen@versar.com)>  
**Subject:** RE: In-Vitro Update for Peer Review of PBPK Modeling for Chloroprene

## Ex. 5 Deliberative Process (DP)

- Dahnish

Chemical & Pollutant Assessment Division (CPAD)  
Center for Public Health and Environmental Assessment (CPHEA)  
Office of Research and Development, U.S. EPA

O: (202) 564-2758

---

**From:** Shams, Dahnish

**Sent:** Thursday, September 9, 2021 11:56 AM

**To:** Husain, Hassan [USA - EMP] <[hhusain@versar.com](mailto:hhusain@versar.com)>; Kapraun, Dustin <[Kapraun.Dustin@epa.gov](mailto:Kapraun.Dustin@epa.gov)>

**Cc:** Cowen, Tracey [USA - EMP] <[TCowen@versar.com](mailto:TCowen@versar.com)>; Williams, Laura [USA - EMP] <[lwilliams@versar.com](mailto:lwilliams@versar.com)>; Bogen, Kenneth [USA - EMP] <[KBogen@versar.com](mailto:KBogen@versar.com)>

**Subject:** RE: In-Vitro Update for Peer Review of PBPK Modeling for Chloroprene

Thanks Hassan! Let me huddle with the team.

- Dahnish

Chemical & Pollutant Assessment Division (CPAD)

Center for Public Health and Environmental Assessment (CPHEA)

Office of Research and Development, U.S. EPA

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---

**From:** Husain, Hassan [USA - EMP] <[hhusain@versar.com](mailto:hhusain@versar.com)>

**Sent:** Thursday, September 9, 2021 11:05 AM

**To:** Shams, Dahnish <[Shams.Dahnish@epa.gov](mailto:Shams.Dahnish@epa.gov)>; Kapraun, Dustin <[Kapraun.Dustin@epa.gov](mailto:Kapraun.Dustin@epa.gov)>

**Cc:** Cowen, Tracey [USA - EMP] <[TCowen@versar.com](mailto:TCowen@versar.com)>; Williams, Laura [USA - EMP] <[lwilliams@versar.com](mailto:lwilliams@versar.com)>; Bogen, Kenneth [USA - EMP] <[KBogen@versar.com](mailto:KBogen@versar.com)>

**Subject:** RE: In-Vitro Update for Peer Review of PBPK Modeling for Chloroprene

Dahnish,

See below:

## Ex. 5 Deliberative Process (DP)

# **Ex. 5 Deliberative Process (DP)**

# Ex. 5 Deliberative Process (DP)

## Ex. 5 Deliberative Process (DP)

**Hassan Husain**  
Senior Program Manager  
Environmental Services Group



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Direct Office: 240-252-2304  
Mobile: 240-499-4302  
[www.versar.com](http://www.versar.com)

---

**From:** Shams, Dahnish <[Shams.Dahnish@epa.gov](mailto:Shams.Dahnish@epa.gov)>  
**Sent:** Wednesday, September 8, 2021 12:02 PM  
**To:** Husain, Hassan [USA - EMP] <[hhusain@versar.com](mailto:hhusain@versar.com)>; Kapraun, Dustin <[Kapraun.Dustin@epa.gov](mailto:Kapraun.Dustin@epa.gov)>  
**Cc:** Cowen, Tracey [USA - EMP] <[TCowen@versar.com](mailto:TCowen@versar.com)>; Williams, Laura [USA - EMP] <[lwilliams@versar.com](mailto:lwilliams@versar.com)>; Bogen, Kenneth [USA - EMP] <[KBogen@versar.com](mailto:KBogen@versar.com)>  
**Subject:** RE: In-Vitro Update for Peer Review of PBPK Modeling for Chloroprene

## Ex. 5 Deliberative Process (DP)

- Dahnish

Chemical & Pollutant Assessment Division (CPAD)  
Center for Public Health and Environmental Assessment (CPHEA)  
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O: (202) 564-2758

---

**From:** Husain, Hassan [USA - EMP] <[hhusain@versar.com](mailto:hhusain@versar.com)>

**Sent:** Tuesday, September 7, 2021 4:04 PM

**To:** Shams, Dahnish <[Shams.Dahnish@epa.gov](mailto:Shams.Dahnish@epa.gov)>; Kapraun, Dustin <[Kapraun.Dustin@epa.gov](mailto:Kapraun.Dustin@epa.gov)>

**Cc:** Cowen, Tracey [USA - EMP] <[TCowen@versar.com](mailto:TCowen@versar.com)>; Williams, Laura [USA - EMP] <[lwilliams@versar.com](mailto:lwilliams@versar.com)>; Bogen, Kenneth [USA - EMP] <[KBogen@versar.com](mailto:KBogen@versar.com)>

**Subject:** In-Vitro Update for Peer Review of PBPK Modeling for Chloroprene

Good afternoon Dahnish and Dustin,

## Ex. 5 Deliberative Process (DP)

## Ex. 5 Deliberative Process (DP)

# Ex. 5 Deliberative Process (DP)

**Hassan Husain**  
Senior Program Manager  
Environmental Services Group



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Direct Office: 240-252-2304  
Mobile: 240-499-4302

---

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